

Title (en)

AN ANTENNA FOR A PORTABLE RADIO COMMUNICATION DEVICE

Title (de)

ANTENNE FÜR TRAGBARES FUNKSPRECHGERÄT

Title (fr)

ANTENNE PERFECTIONNEE POUR DISPOSITIF DE COMMUNICATION RADIO PORTABLE

Publication

EP 0801820 B1 20000503 (EN)

Application

EP 96900071 A 19960104

Priority

- CA 9600012 W 19960104
- CA 2139682 A 19950105
- US 37416195 A 19950117

Abstract (en)

[origin: WO9621254A1] An improved antenna for a portable radio communication device including a first elongate electrically conductive member (10) having opposed first and second ends, the first end adapted to be mounted in electrical communication to a radio communication device (18). A radiation field pattern is generated by radiation emitted by the first elongate electrically conductive member (10) and the radio communication device (18) during radio transmission, the radiation field pattern having maximum intensity at a first location. Means (24) for increasing radiation resistance is mounted to the first electrically conductive member at an optimized position at generally the second end of the first member, whereby the radiation field pattern maximum intensity is shifted from the first location to a second location closer to the second end of the elongate member (10), and near field intensity of the radiation field pattern at the first location is reduced over an operational bandwidth of the radio communication device (18).

IPC 1-7

H01Q 1/24; **H01Q 19/09**

IPC 8 full level

H01Q 17/00 (2006.01); **H01Q 1/24** (2006.01); **H01Q 19/09** (2006.01)

CPC (source: EP)

H01Q 1/245 (2013.01); **H01Q 19/09** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9621254 A1 19960711; AT E192608 T1 20000515; AU 4325896 A 19960724; AU 709954 B2 19990909; CN 1173949 A 19980218; DE 69608092 D1 20000608; DE 69608092 T2 20010201; EP 0801820 A1 19971022; EP 0801820 B1 20000503; JP H10512407 A 19981124

DOCDB simple family (application)

CA 9600012 W 19960104; AT 96900071 T 19960104; AU 4325896 A 19960104; CN 96191874 A 19960104; DE 69608092 T 19960104; EP 96900071 A 19960104; JP 52065796 A 19960104